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1023

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#6

OIPE

RAW SEQUENCE LISTING DATE: 11/06/2001
PATENT APPLICATION: US/09/904,380 TIME: 12:15:14

Input Set : A:\62430-A seq listing.txt
Output Set: N:\CRF3\11062001\I904380.raw

3 <110> APPLICANT: Jane H. Morse and James A. Knowles
5 <120> TITLE OF INVENTION: Role of PPH1 Gene in Pulmonary Hypertension
7 <130> FILE REFERENCE: 0575/62430-A/JPW/SHS
9 <140> CURRENT APPLICATION NUMBER: 09/904,380

C--> 10 <141> CURRENT FILING DATE: 2001-10-1
12 <160> NUMBER OF SEQ ID NOS: 30
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 6234
18 <212> TYPE: DNA
19 <213> ORGANISM: Human
21 <400> SEQUENCE: 1

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32	atctctcatg	aaaatgggac	aatattatgc	tcgaaaggta	gcacctgtca	tagagagtac	360
34	ttttaccctg	ttataatacg	agcttccat	cgtggacgat	tggccttgg	gagaatcaa	420
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38	tttagaacat	tttgttccca	gttggctca	cattggagat	ccccaaagagt	gtcactatga	540
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226	ctgctacaac	catgggtct	aaagatata	aatggaacgt	cttcctccgt	gacgatgtt	6180
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232 <211> LENGTH: 1080

233 <212> TYPE: PRT

234 <213> ORGANISM: Human

236 <400> SEQUENCE: 2

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243					20				25					30		
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247					35				40					45		
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262	Glu	Cys	His	Tyr	Glu	Glu	Cys	Val	Val	Thr	Thr	Thr	Pro	Pro	Ser	Ile
263					100				105					110		
266	Gln	Asn	Gly	Thr	Tyr	Arg	Phe	Cys	Cys	Cys	Ser	Thr	Asp	Leu	Cys	
267					115				120					125		
270	Asn	Val	Asn	Phe	Thr	Glu	Asn	Phe	Pro	Pro	Pro	Pro	Asp	Thr	Thr	Pro
271					130				135					140		
274	Leu	Ser	Pro	Pro	His	Ser	Phe	Asn	Arg	Asp	Glu	Thr	Ile	Ile	Ile	Ala
275					145				150					155		160
278	Leu	Ala	Ser	Val	Ser	Val	Leu	Ala	Val	Leu	Ile	Val	Ala	Ala	Leu	Cys
279					165				170					175		
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287 195 200 205
290 Asp Asn Leu Lys Leu Leu Glu Leu Ile Gly Arg Gly Arg Tyr Gly Ala
291 210 215 220
294 Val Val Tyr Lys Gly Ser Leu Asp Glu Arg Pro Val Ala Val Lys Val
295 225 230 235 240
298 Phe Ser Phe Phe Ala Asn Arg Gln Asn Phe Ile Asn Glu Lys Asn Ile
299 245 250 255
302 Tyr Arg Val Pro Leu Met Glu His Asp Asn Ile Ala Arg Phe Ile Val
303 260 265 270
306 Gly Asp Glu Arg Val Val Thr Ala Asp Gly Arg Met Glu Tyr Leu Leu
307 275 280 285
310 Val Met Glu Tyr Tyr Pro Asn Asn Gly Ser Leu Cys Lys Tyr Leu Ser
311 290 295 300
314 Leu His Thr Ser Asp Trp Val Ser Ser Cys Arg Leu Ala His Ser Val
315 305 310 315 320
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319 325 330 335
322 His Tyr Lys Pro Ala Ile Ser His Arg Asp Leu Leu Asn Ser Arg Asn
323 340 345 350
326 Val Leu Val Lys Asn Asp Gly Thr Cys Val Ile Ser Asp Phe Gly Leu
327 355 360 365
330 Ser Met Arg Leu Thr Gly Asn Arg Leu Val Arg Pro Gly Gly Glu Glu
331 370 375 380
334 Asp Asn Ala Ala Ile Ser Glu Val Gly Thr Ile Arg Tyr Met Ala Ala
335 385 390 395 400
338 Pro Glu Val Leu Glu Gly Ala Val Asn Leu Arg Asp Cys Glu Ser Ala
339 405 410 415
342 Leu Lys Gln Val Asp Met Tyr Ala Leu Gly Leu Ile Tyr Trp Glu Ile
343 420 425 430
346 Phe Phe Met Arg Cys Thr Asp Leu Phe Pro Gly Glu Ser Val Pro Glu
347 435 440 445
350 Tyr Gln Met Met Ala Phe Gln Thr Glu Val Gly Asn His Pro Thr Phe
351 450 455 460
354 Glu Asp Met Gln Val Leu Val Ser Arg Glu Lys Gln Arg Pro Lys Phe
355 465 470 475 480
358 Pro Glu Ala Trp Lys Lys Glu Asn Ser Leu Ala Val Arg Ser Leu Lys
359 485 490 495
362 Glu Thr Ile Glu Asp Cys Trp Trp Asp Gln Asp Ala Glu Ala Arg Leu
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366 Thr Ala Gln Cys Ala Glu Glu Arg Met Ala Glu Leu Met Met Ile Trp
367 515 520 525
370 Glu Arg Asn Lys Ser Val Ser Pro Thr Thr Val Asn Pro Met Ser Thr
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374 Ala Met Gln Asn Glu Arg Asn Leu Ser His Asn Asn Arg Arg Val Pro
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378 Lys Ile Gly Pro Tyr Pro Asp Tyr Ser Ser Ser Ser Tyr Ile Glu Asp
379 565 570 575
382 Ser Ile His His Thr Asp Ser Ile Val Lys Asn Ile Ser Ser Glu His

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